

INSTRUCTION MANUAL

VISONIK
AUTOPHONICS

V3209 - V3309 - V3409

V3509 - V3709 - V3909

V4309 - V5011 - V6611

FEATURES

- Class AB Circuitry
- Tri-Mode Capable
- High Level Input
- Low Level Input
- RCA Line Output
- 35-250Hz Variable Low Pass Filter
- 35-250Hz Variable High Pass Filter
- 0-12dB Variable Bass Boost
- 0-180 Variable Phase Shift
- 15-30Hz Variable Subsonic Filter (V5011)
- 0.05% THD
- S/N >85dB
- Thermal, Short, Overload Protection
- 200mV-8V RCA Input
- 2 Ohm Stereo, 4 Ohm Mono Stable
- Remote Bass Control (except V3209)
- Built-in Cooling Fans (except V3209)

SPECIFICATIONS

MODEL	V3209	V3309	V3409	V3509	V3709
Total Peak Power	300W	500W	600W	800W	1200W
RMS Pwr per CH @ 4 Ohm	75W	125W	150W	200W	300W
RMS Pwr per CH @ 2 Ohm	100W	175W	200W	250W	400W
RMS Pwr Mono @ 4 Ohm	175W	300W	400W	500W	800W
THD @ 4 Ohm	0.05%				
@ 2 Ohm	<0.1%				
S/N Ratio	>90dB				
Channel Separation	60dB				
Frequency Response ± 0.5 dB	20Hz-30kHz				
Crossover Frequency LPF	35Hz-250Hz				
Crossover Frequency HPF	35Hz-250Hz				
Bass Boost	0-12dB				
Low Level Input Range	200mV-8V				
High Level Input Range	3-10V				
Low Level Impedance	10k Ohms				
High Level Impedance	100 Ohms				
Fuse	20 Amp x 1	30 Amp x 1	20 Amp x 2	25 Amp x 2	30 Amp x 3
Dimensions(H x W x L)	2" x 11 5/8" x 73/4"	2" x 11 5/8" x 93/4"	31/8" x 11 5/8" x 111/2"	2" x 11 5/8" x 131/2"	2" x 11 5/8" x 173/4"

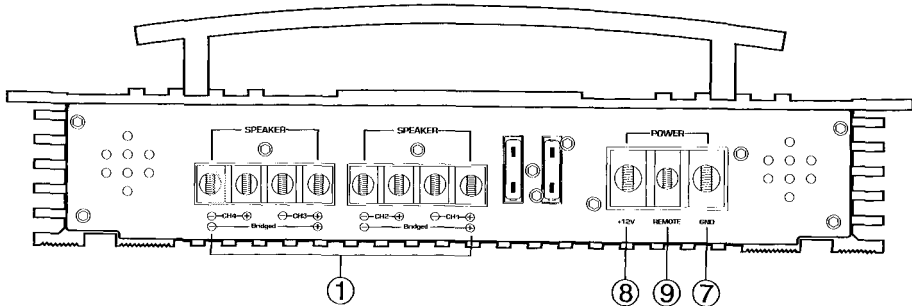
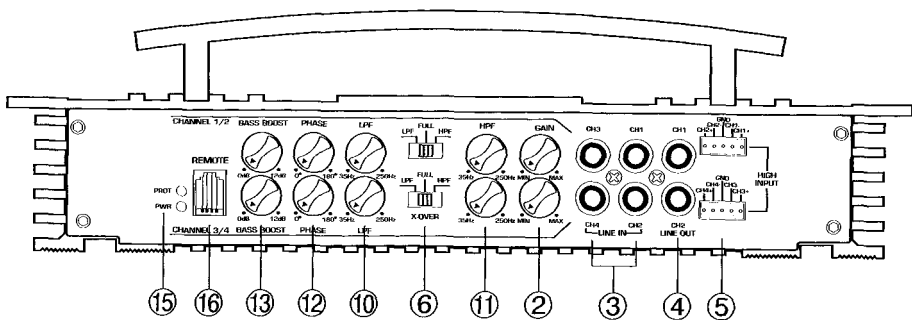
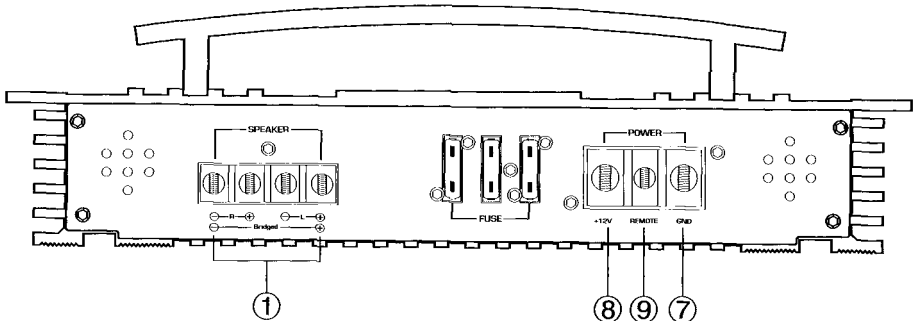
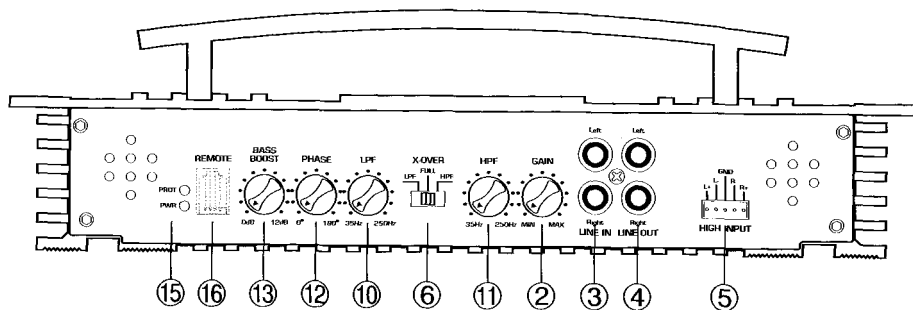
SPECIFICATIONS

MODEL	V3909	V4309	V5011	V6611
Total Peak Power	1600W	1000W	1000W	2 x 200W + 1 x 500W
RMS Pwr per CH @ 4 Ohm	300W	500W	300W	4 x 75W + 2 x 175W
RMS Pwr per CH @ 2 Ohm	400W	700W	N-A	4 x 100W + 2 x 250W
RMS Pwr Mono @ 4 Ohm	800W	1300W	500W	2 x 150W + 1 x 400W
THD @ 4 Ohm	0.05%			
@ 2 Ohm	<0.1%			
S/N Ratio	>90dB			
Channel Separation	60dB			
Frequency Response ± 0.5 dB	20Hz-30kHz			
Crossover Frequency LPF	35Hz-250Hz			
Crossover Frequency HPF	35Hz-250Hz			
Bass Boost	0-12dB			
Low Level Input Range	200mV-8V			
High Level Input Range	3-10V			
Low Level Impedance	10k Ohms			
High Level Impedance	100 Ohms			
Fuse	40 Amp x 3	25 Amp x 2	40 Amp x 1	20 Amp x 3
Dimensions(H x W x L)	2" x 11 5/8" x 21 1/2"	2" x 11 5/8" x 15 1/2"	2" x 11 5/8" x 13 1/2"	2" x 11 5/8" x 21 1/2"

CONNECTIONS

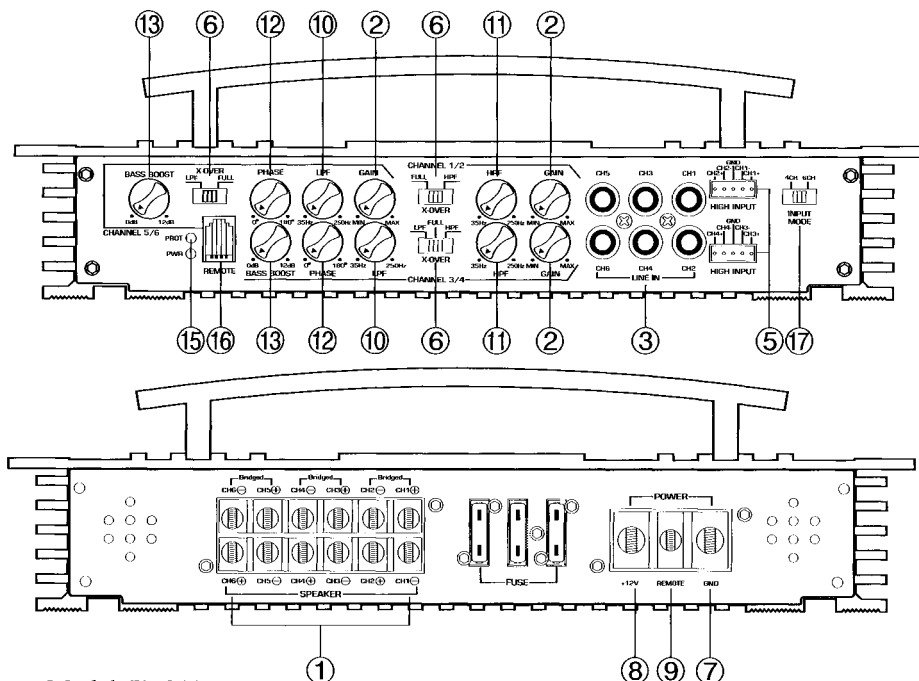
Each input and output jack is individually labeled to reduce installation errors. Male to male RCA cables are required to connect the AMPLIFIER inputs to the source units or crossover outputs. High Quality shielded cables should be used to minimize the pickup of electrical noises. The RCA cables should be run on the opposite side of the vehicle from the power and ground wires of the Amplifiers. This will help to minimize noise problems.

Before making any electrical connections, Disconnect your car battery's Ground cable to prevent the possibility of short circuits or damage to your electronic equipment.

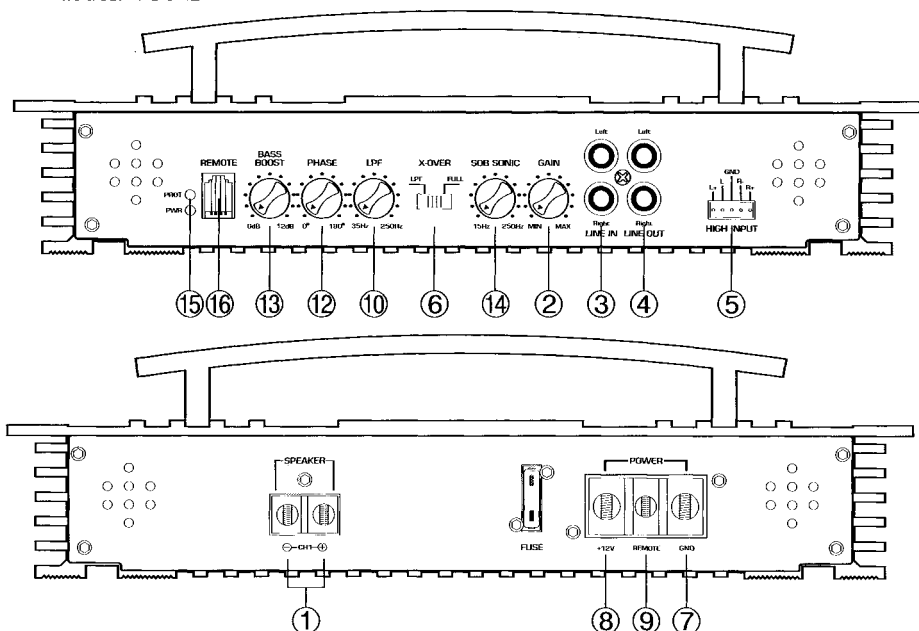


CONTROLS

Model: V6611



Model: V5011



CONTROLS

1. **Speaker Terminals**

Connects the speakers to the amplifier

2. **Input Sensitivity Controls**

Varies the input voltage to the amplifier

3. **Low Level RCA Inputs**

Connects the RCA terminals from a source unit

4. **RCA Line Output**

Used for connecting multiple amplifiers

5. **High Level Inputs**

Used for when RCA low level jacks are not available

6. **Crossover Selection Switch**

Selects the crossover mode

7. **Ground Connection**

Connects to the vehicles chassis

8. **Positive 12V Connection**

Connects to the vehicles battery

9. **Remote Turn-on Connection**

Connects to the remote turn-on lead of the source unit

10. **35-250Hz Variable Low Pass Filter**

Allows frequencies below the set level to pass when the crossover is in LPF mode

11. **35-250Hz Variable High Pass Filter**

Allows frequencies above the set level to pass when the crossover is in HPF mode

12. **0-180° Variable Phase Control**

Used when in LPF mode, to adjust the phase of the subwoofers

13. **0-12dB Variable Bass Boost**

The control adjusts the Bass Boost Gain for the amplifier's speaker output.

14. **15-250Hz Variable Subsonic Filter**

Used when in LPF mode, to adjust the frequencies sent to the output of the amplifier to the subwoofers

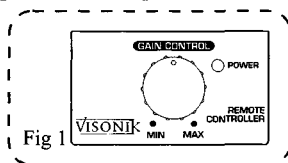
15. **LED Indicator**

Lit **Green** when the amplifier is working properly

Lit **Red** when in Protection Mode

16. **Remote Bass Control Connection**

Used to control the gain of the output of the amplifier (Fig1)



17. **Input Mode Switch**

Used to select which input is used to drive the amplifier.

AMPLIFIER SETUP

INPUT SENSITIVITY (LEVEL) CONTROLS

In order to achieve maximum signal-to-noise performance, these controls adjust the signal level from your source unit, to match the Amplifier's sensitivity. It is NOT a volume control. This input sensitivity can also be control by the external remote controller.

To adjust, proceed as follows:

- a. Set INPUT LEVEL controls at mid-point.
- b. Listen for audible distortion as you increase the Head Unit VOLUME control. If no distortion is heard, turn the adjustment level control toward "MAX" in small stages until the onset of audible distortion is heard, then decrease to the level prior to the immediate point of audible distortion.
- c. If distortion is immediately heard, turn control to "MIN" until the sound is clear.

POWER INDICATOR LED

This GREEN LED will illuminate whenever the Amplifier is turned "ON" . If it fails to illuminate, check the power connections to the Amplifier and fuses.

PROTECTION CIRCUIT

Should the Amplifier become shorted, overloaded or overheated, the protection circuit will "SHUT-DOWN" the Amplifier and the Power LED will turn "RED" . The amplifier will remain inoperable until the condition that has caused the problem is corrected. To reset the amplifier, turn your amplifier "OFF" , and then turn "ON" again.

CAUTION:

THIS AMPLIFIER IS DESIGNED TO OPERATE WITH A MINIMUM LOAD IMPEDANCE OF 2 OHMS IN STEREO. 4 OHMS MONO (BRIDGED). OR 8 Ohms IN MULTI-MODE (TRI-MODE) CONFIGURATIONS. SUBJECTING THE AMPLIFIER TO IMPEDANCES LOWER THAN RECOMMENDED, MAY CONSTITUTE TO POTENTIAL DAMAGE TO THE AMPLIFIER.AND IS NOT COVERED UNDER WARRANTY.

PLANNING YOUR SYSTEM

- If you plan to expand your system by adding other components sometime in the future, ensure adequate space is left.
- Consider both the length of your leads, and routing when determining the mounting location. Pre-Amp RCA input jacks require high quality shielded male to male RCA patch cord.

MOUNTING YOUR SYSTEM

The mounting position of your Amplifier will have a great effect on its ability to dissipate the heat generated during normal operation. The Amplifier has an efficient heat sink for proper heat dissipation, also integrated with a thermal shutdown (for heat protection) circuit. Allowing air around the cooling fins will improve heat dissipation dramatically. DO NOT enclose the amplifier in a small box or cover it so that air cannot flow around the cooling fins.

Temperatures in car trunks have been measured as high as (158' F) in the summer time. Since the thermal shut-down point for the Amplifier is (160' F) it must be mounted for maximum cooling. To achieve maximum convection air flow in an enclosed trunk, mount the amplifier in a vertical position, on a vertical surface.

Cooling requirements are considerably relaxed when mounting inside the passenger compartment since the driver will not often allow temperatures to reach a critical point. Floor mounting under the seat is usually satisfactory as long as there is at least 1 inch above the Amplifier's fins for ventilation.

To mount the Amplifier:

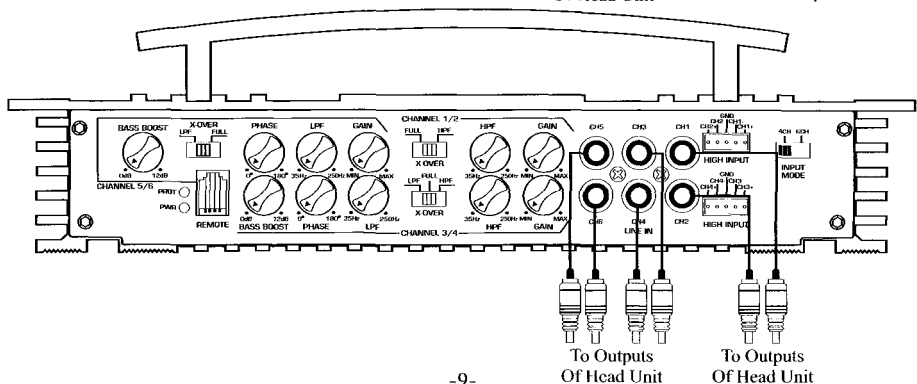
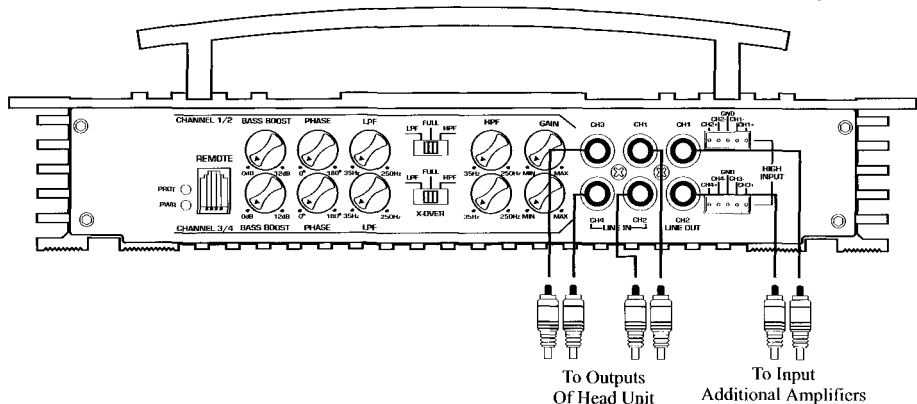
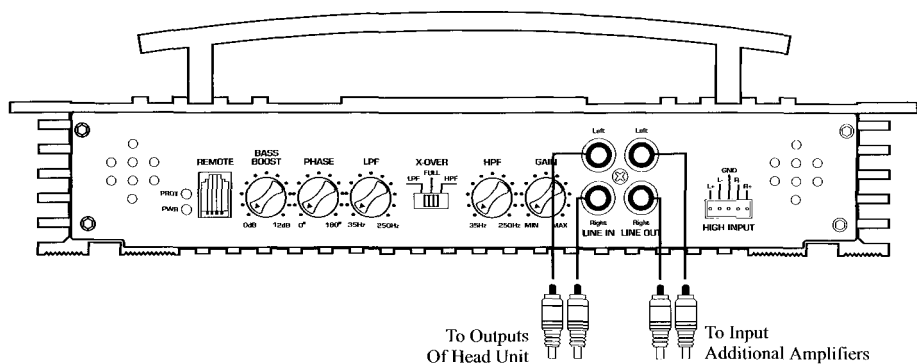
1. Use the amplifier as a template to mark the mounting holes.
2. Use extreme caution, inspect underneath surface before drilling.
3. Remove the Amplifier and drill the marked holes.
4. Secure the Amplifier using the screws provided.

LOW LEVEL INPUT CONNECTIONS

NOTE.

DO NOT USE THESE RCA JACKS IN CONJUNCTION WITH HIGH LEVEL INPUT WIRES.

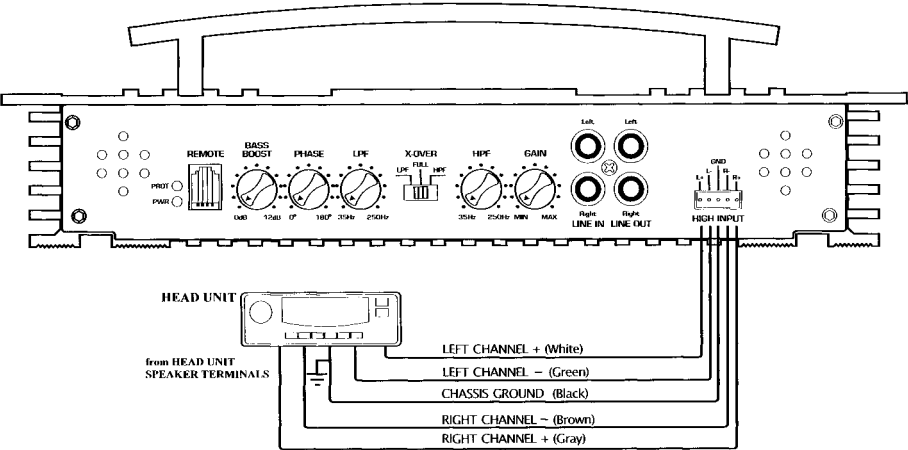
1. Always use high quality RCA type shielded cables.
2. Always use the shortest length possible. If the cable is too long, make on "S" shape loop (*not a coiled loop*) to take up any excess.
3. Never cut the shielded cable and re-splice it.
4. Never route any Amplifier input cables near speaker outputs, high energy ignition wires, or near computer controlled ignition circuit units.



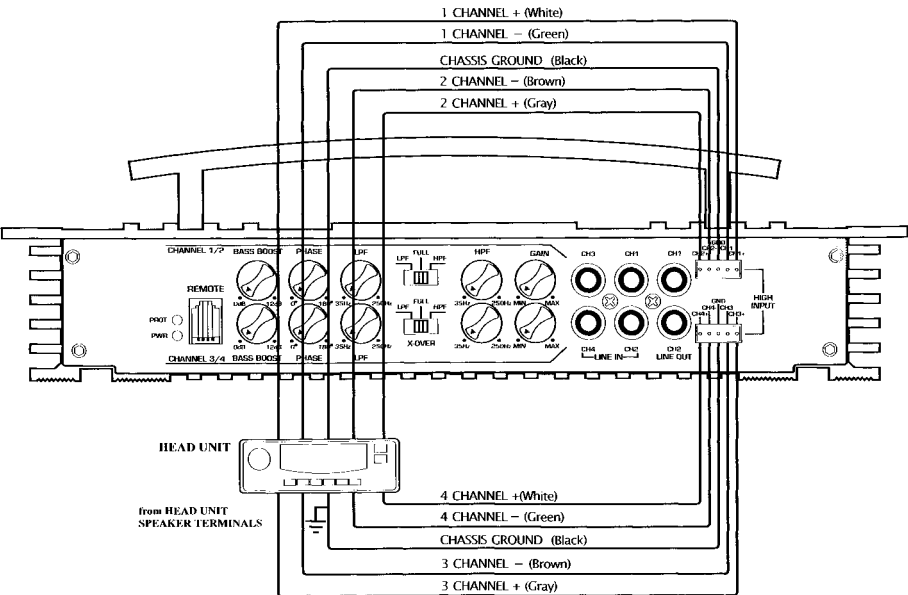
HIGH LEVEL INPUT CONNECTIONS

NOTE.
DO NOT CONNECT THESE HIGH LEVEL INPUT WIRES IF YOU ARE USING THE LOW LEVEL INPUT RCA JACKS.

Model: V5011 / V3209 / V3309 / V3409 / V3509 / V3709 / V3909



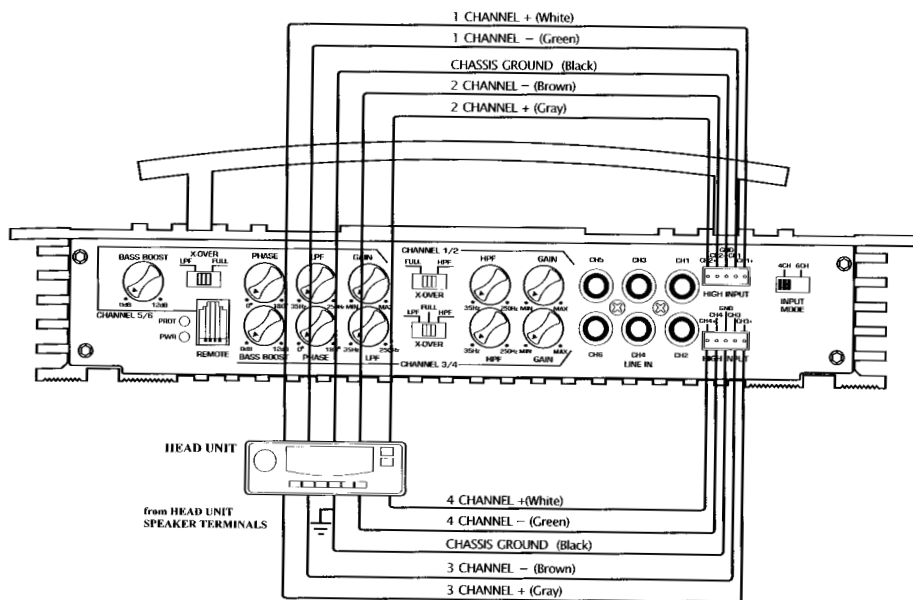
Model: V4309



HIGH LEVEL INPUT CONNECTIONS

Model: **V6611**

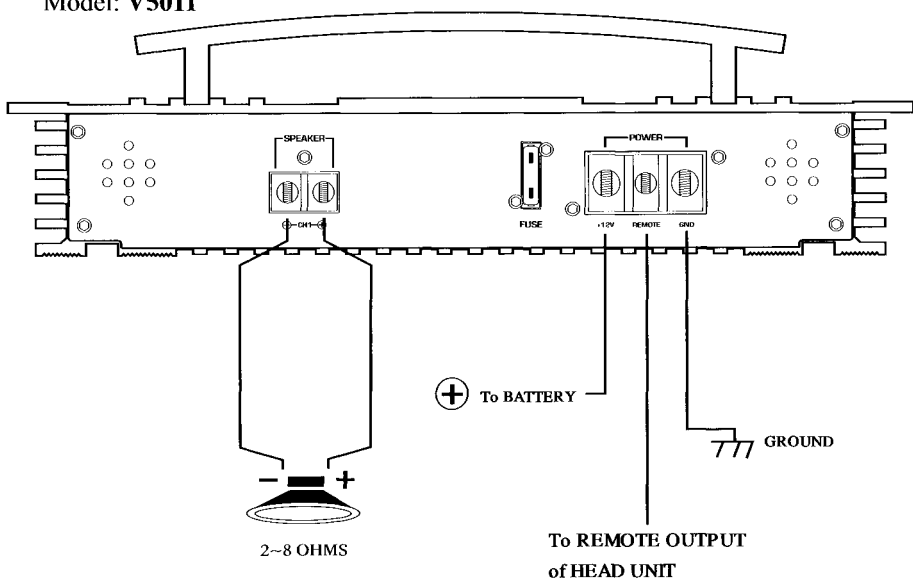
(Input Mode Switch: 4Ch)



SPEAKER CONNECTIONS

1 Channel Amplifier

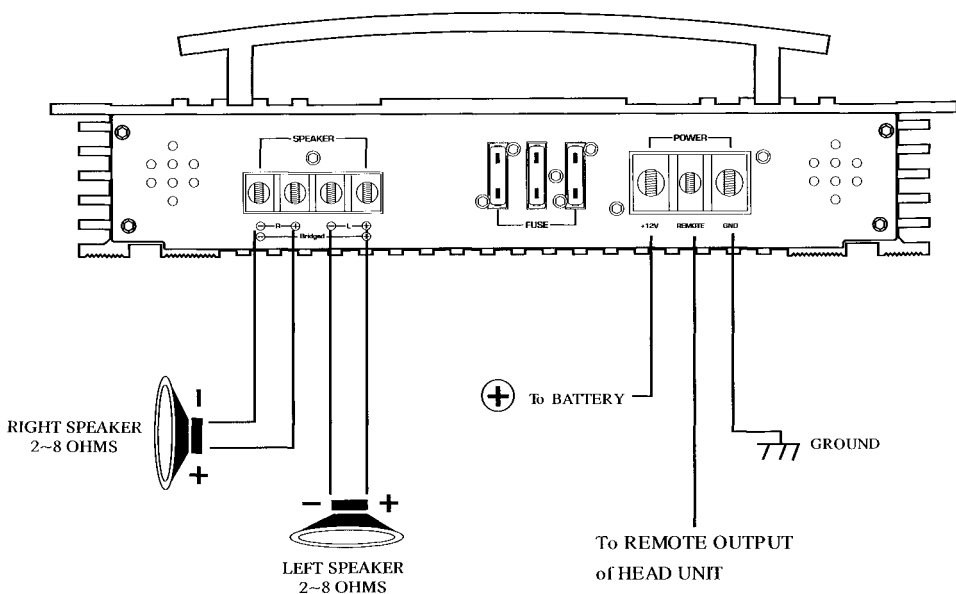
Model: V5011



2 Channel Amplifier

Model: V3209 / V3309 / V3409 / V3509 / V3709 / V3909

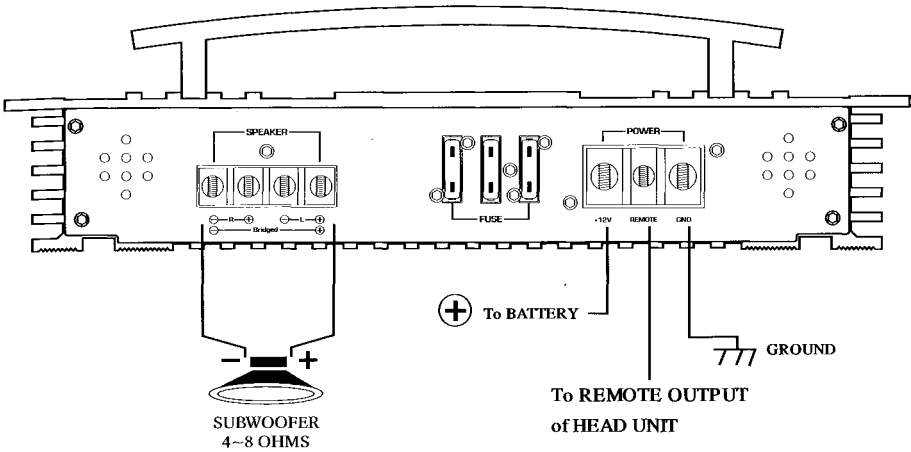
Stereo Mode



SPEAKER CONNECTIONS

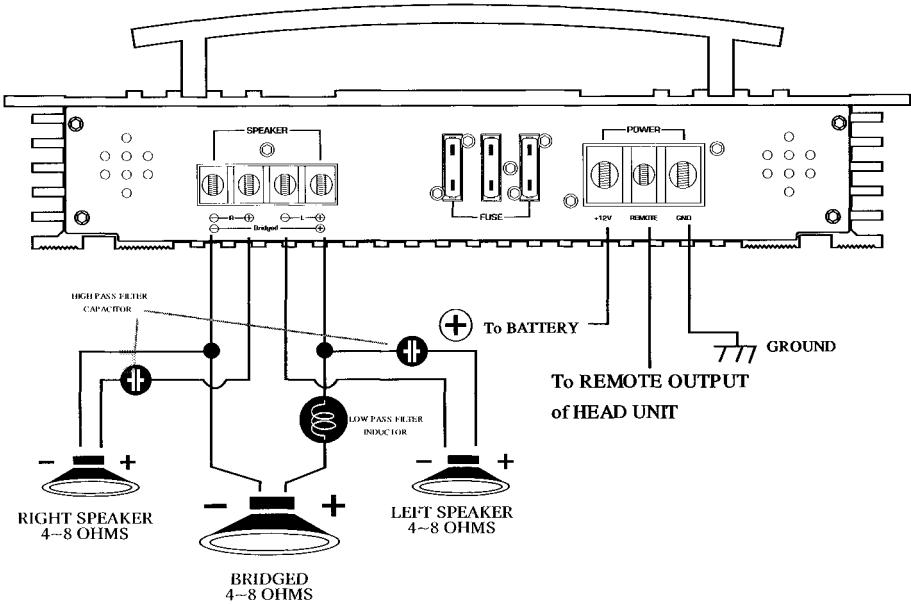
2 Channel Amplifier

Model: V3209 / V3309 / V3409 / V3509 / V3709 / V3909
Bridged Mode



2 Channel Amplifier

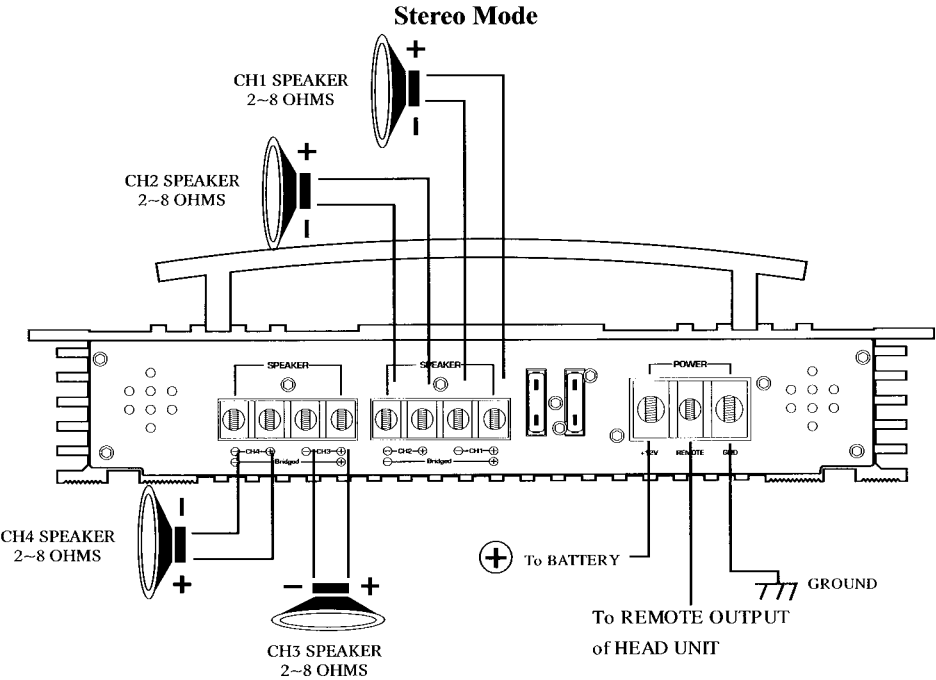
Model: V3209 / V3309 / V3409 / V3509 / V3709 / V3909
Tri-Stereo Mode



SPEAKER CONNECTIONS

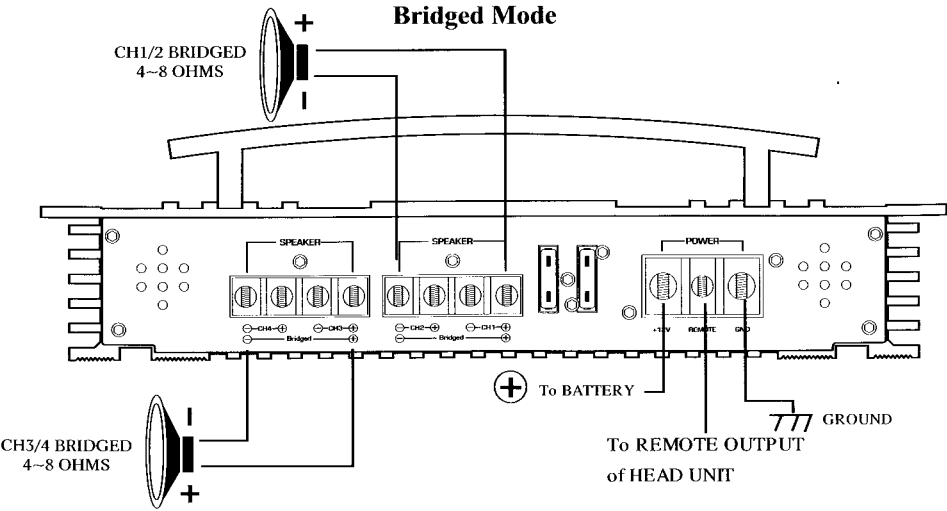
4 Channel Amplifier

Model: V4309



2 Channel Amplifier

Model: V4309

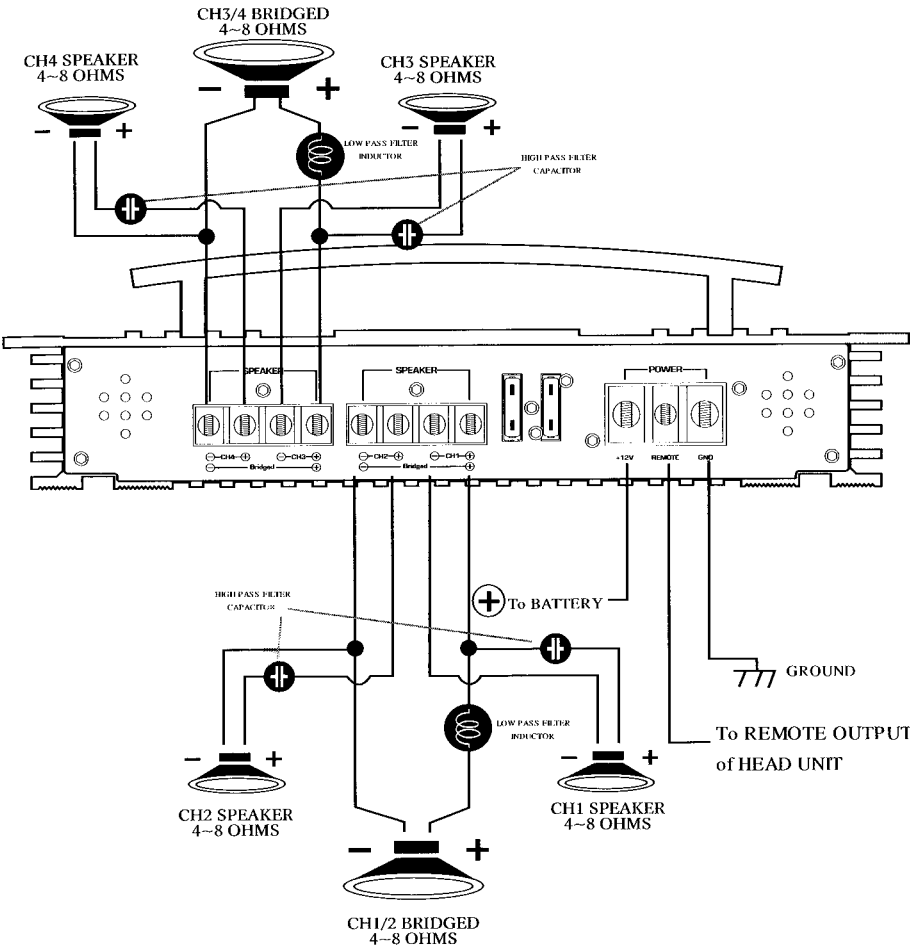


SPEAKER CONNECTIONS

4 Channel Amplifier

Model: V4309

Tri-Stereo Mode

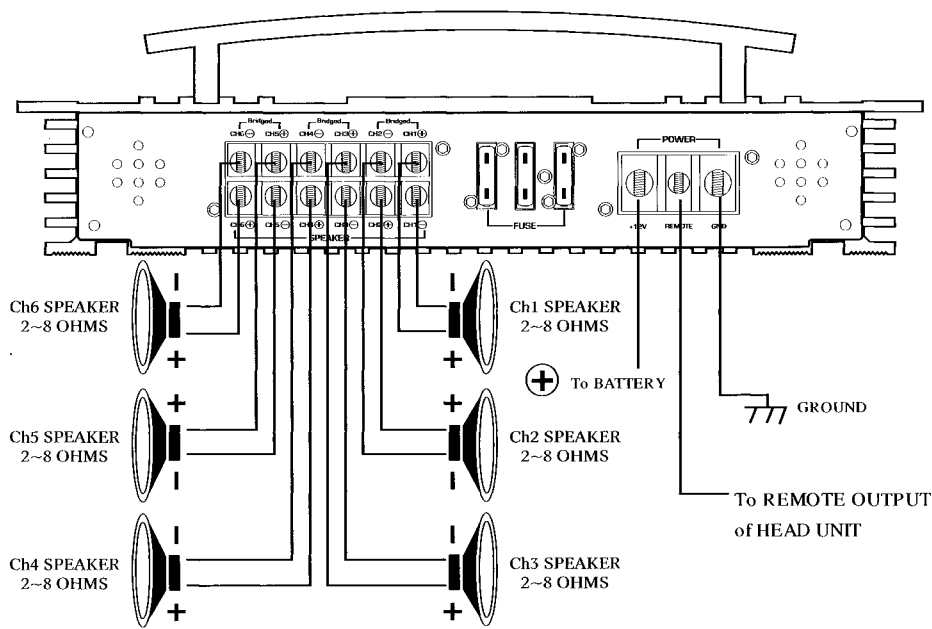


SPEAKER CONNECTIONS

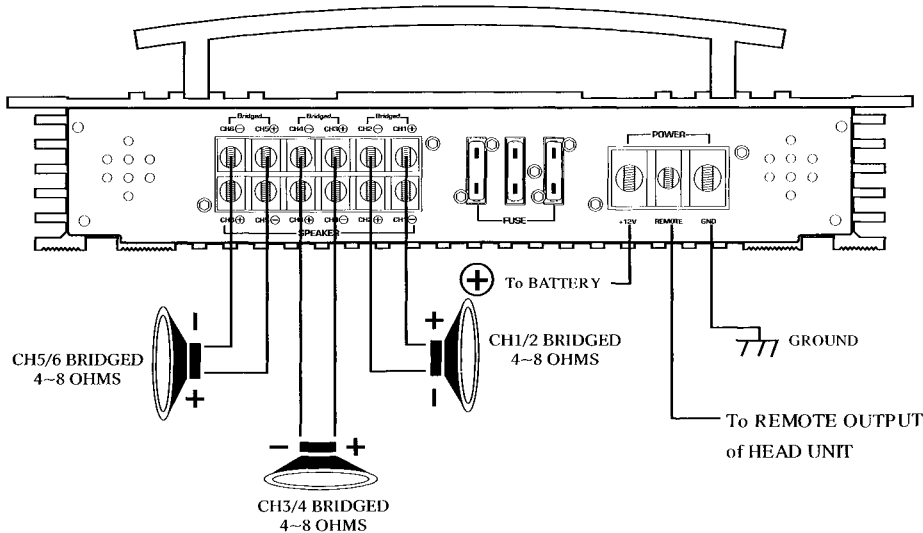
6 Channel Amplifier

Model: V6611

Stereo Mode



Bridged Mode

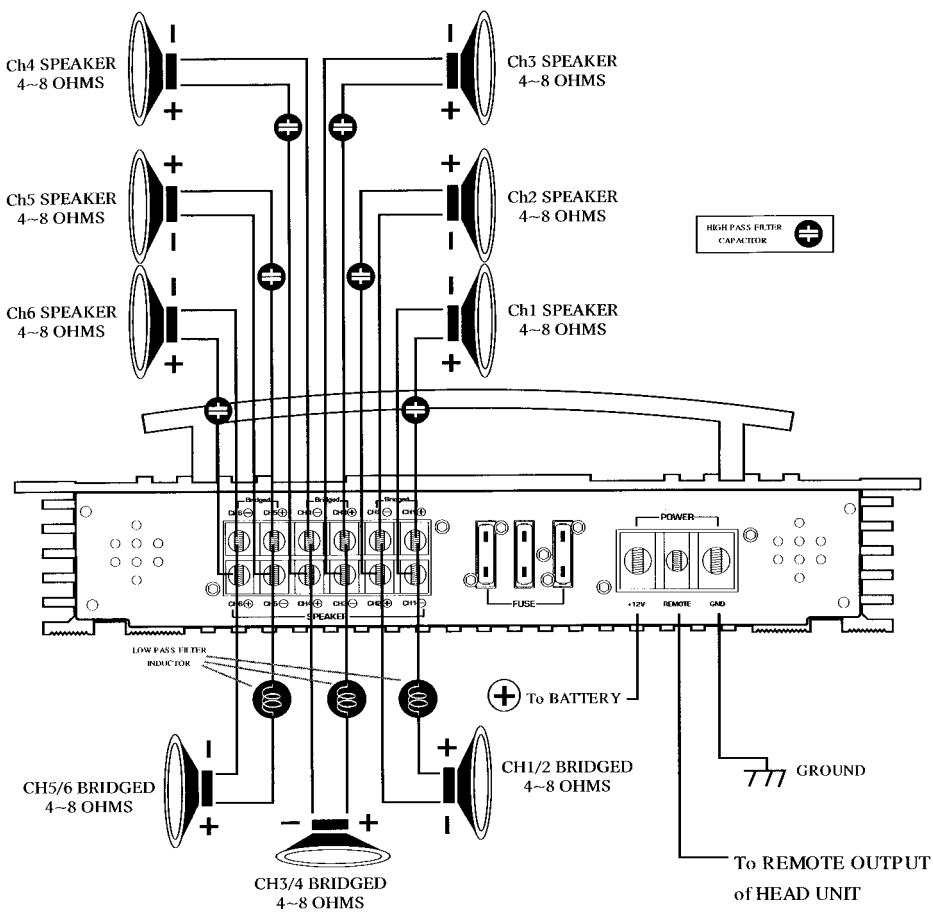


SPEAKER CONNECTIONS

6 Channel Amplifier

Model: V6611

Tri-Stereo Mode



TROUBLE SHOOTING

SYMPTOM

NO SOUND

CHECK POINT

Is the power LED illuminated?

CURE

1. Check fuses in Amplifier.
2. Be sure Turn-on lead is connected
3. Check signal leads.
4. Check gain control.
5. Check Tuner/Deck volume level.
6. Clean contacts on fuse holders.

SYMPTOM

AMPLIFIER NOT SWITCHING ON

CHECK POINT

No power to power wire

CURE

Repair power wire or connections.

CHECK POINT

No power to remote wire with Head Unit on

CURE

Check connections to Head Unit.

CHECK POINT

Fuse broken

CURE

Replace Fuse

SYMPTOM

NO SOUND IN ONE CHANNEL

CHECK POINT

Check Speaker Leads.

Check Head unit Balance Controls

CURE

Inspect for short circuit

Check for open Connection.

CURE

Check Speaker Leads Reverse Left and Right RCA inputs to determine if it is occurring before the Amplifier.

TROUBLE SHOOTING

SYMPTOM

NOISE IN AUDIO SIGNAL (Whine)

CHECK POINT

If the noise is a whine whose pitch follows the engine speed, confirm that the Amplifier, Amplifier and any other signal sources (head unit, etc.) are properly grounded.

CURE

Inspect that Ground impedance are 0 ohms.

(To verify proper Ground impedance, use an OHM meter to measure all equipment grounds.)

CHECK POINT

Check the routing of the speaker and RCA cables to make sure they not adjacent to powers wires or interconnect lights and other accessories.

CURE

Re-Route RCA cables and Wires

Note: If the above steps fail to improve or clear noise interference, the system should be checked by a professional mobile audio installer.

??Need More Technical Support??

Please Visit

www.VisonikCarAudio.com

LIMITED WARRANTY INFORMATION

● LENGTH OF WARRANTY

1 year on Video Products 2 years on Electronic Products 2 years on Speakers

● WHAT IS COVERED

Warranty applies only to Visonik products sold to consumers by Authorized Visonik Dealers in the United States of America or its possessions. Products purchased by consumers from Authorized Visonik Dealer outside of the USA are covered only by that country's distributor.

● WHO IS COVERED

This warranty covers only the **original purchaser** of Visonik product purchased from an Authorized Visonik Dealer in the United States. For a list of Authorized Internet Retail Stores go to <http://www.VisonikCarAudio.com>. In order to receive service, the purchaser must provide Visonik with a copy of the receipt stating the customer name, Visonik Authorized dealer name, product purchased and date of purchase. Products found to be defective during the warranty period will be repaired / replaced (with a product deemed to be equivalent) at Visonik's discretion.

● WHAT IS NOT COVERED

1. Damage caused by accident, abuse, improper operations, water, or theft.
2. Any cost or expense related to the removal or reinstallation of product.
3. Repair Service performed by anyone other than Visonik's Repair Department.
4. Any product which has had the serial number defaced, altered, or removed.
5. Any product purchased outside the United States.
6. Any product not purchased from an Authorized Visonik Dealer.

● LIMIT ON IMPLIED WARRANTIES

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for Visonik any other liability in connection with the sale of the product.

● HOW TO OBTAIN SERVICE

1. Please call (310) 223-0400 for Visonik Customer Service.
Customer Service hours : Monday-Friday, 8am-5pm Pacific Standard Time.
2. Obtain a RA # (Return Authorization Number) from Customer Service.
3. Obtain a "Cashiers Check" or "Money Order" for \$9.00 per item for return postage.
(No personal Checks will be accepted)
4. Once you receive your return authorization number from our Warranty Department, please print this number **LARGE** on the outside of the packaging.
5. No products will be accepted without a Return Authorization number.
6. Please include the following items with the returned product:
 - a. Copy of the Original Receipt of purchase (Required)
 - b. Cashiers Check or Money Order for \$9.00 per item
 - c. Return Address for shipment.
7. Ship to:

VISONIK
Warranty Department
3116 Via Mondo
Rancho Dominguez, CA 90221
RA#: _____

WARNING

Investigate the layout of your automobile thoroughly before drilling or cutting any holes. Use extreme care when you work near the gas tanks, gas or hydraulic lines, and electrical wiring. Always make sure the unit is securely mounted. Mounting the unit securely to the automobile will prevent damage to the car or injury to a person, particularly in the event of an accident.

Don't mount the system so that the wire connections are unprotected or are subject to pinching or damage from nearby objects.

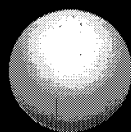
The +12 VDC power wire must be fused at the battery positive terminal connection. Before making or breaking power connections at the system power terminals, disconnect the + 12V wire at the battery. Confirm your head unit and/or other equipment is turned off while connecting the input RCA jacks and speaker terminals.

If you need to replace fuses, replace it only with a fuse identical to that supplied with the system. Using a fuse of different type or rating may result in damage to this system which isn't covered by the warranty.

VISIONIK
17621 S. Susana Road
Rancho Dominguez, CA 90221
[T] 310.223.0400
[F] 310.223.0412

www.VisonikCarAudio.com

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Visonik Product Message

Read these words aloud,
pausing for 10 seconds
between sentences.

Ultimate quality greff
mind bending logic.

Visonik • Key

Barriers to realize
shall never holt seen.

Visonik • Sustain

Our cerebral gifts
will enhance foresight.

Visonik • Dominate

Showing this new system
unparalleled respect.

Visonik • Optimal

Honing our super-cognitive
processes through support.

Visonik 01~s5 201 - drop.

End sequence now.

Thank you for your time
Adjustment 121 b complete.
Enjoy.

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LIMITED WARRANTY

www.visonikcaraudio.com

What is Covered

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What is Not Covered

- 1 Damage caused by accident, abuse, improper operations, water or theft.
- 2 Any cost or expense related to the removal or reinstallation of product.
- 3 Repair service performed by anyone other than Visonik repair department.
- 4 Any product which has had the serial number defaced, altered or removed.
- 5 Any product purchased outside the United States.
- 6 Any product not purchased from an authorized Visonik dealer.

Who is Covered

This warranty covers only the original purchaser of Visonik product purchased from an authorized Visonik dealer in the United States. For a list of authorized Internet retail stores go to <http://www.visonikcaraudio.com>. In order to receive service, the purchaser must provide Visonik with a copy of the receipt stating the customer name, Visonik authorized dealer name, product purchased and date of purchase. Products found to be defective during the warranty period will be repaired or replaced [with a product deemed to be equivalent] at Visonik's discretion.

Equivalent Limit on Implied

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for Visonik any other liability in connection with the sale of the product.

Length of Warranty

2 years on Electronic Products

2 years on Speakers and Subwoofers

Your Records

Model Number > _____
Date Purchased > _____
Place of Purchase > _____

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This registration must be filled out and mailed within 10 days of purchase to validate warranty.

Name > _____
Street > _____
City > _____ State > _____ Zip > _____
Model Number > _____ Date Purchased > _____
Place Purchased > _____

Purchased For > (Circle One) > Gift > Replacement Speakers > Competition Use > Personal Use

If replacement, what is the name and model number of the system replaced?

Name > _____
Model Number > _____

Why did you purchase Visonik speakers? > (Circle One) > Sound > Price > Dealer Recommendation

> Other > _____

Additional Comments > _____

Dear Customer,

Thank you for selecting Visonik for your high end mobile entertainment needs. Visonik has many years of experience in the design and manufacturing of mobile entertainment products.

Visonik has committed many years of research and development to bring you products that will perform for your musical enjoyment.

Additionally, we are confident that your choice of Visonik will bring you the satisfaction of great sounds so that when you think about purchasing more mobile entertainment products you will again select a Visonik product.

Please take a moment to complete the enclosed customer survey card, this will enable us to keep you advised on our latest advancements and provide us a better understanding of our customers. This information will also be used to develop new products to meet your needs.

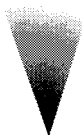
We appreciate the confidence demonstrated by your purchase of a Visonik product and we shall do all we can to uphold that confidence.

Sincerely,

Sameer Aboabdo

President
Visonik Inc.

www.visonikcaraudio.com



Model Purchased > _____

Date Purchased > _____

Purchased From _____

Name > _____

City > _____

State > _____

Which of the following magazines do you read? Circle any.

Mobile Entertainment > Auto Sound & Security > DUB Magazine > MAX Power

Car Stereo Review > Car Audio & Elec. > Other Magazines > | _____

Is this your first Visonik purchase? > Yes or No

If yes, which brands do you normally buy? > | _____

What brands did you consider before purchasing Visonik? > | _____

What factors influenced your purchase? Circle any.

Quality > Power Handling > Appearance > Reputation > Friend > Other > | _____

Your Visonik equipment was installed by? > Yourself or Professional Installer

Was your Visonik purchase an upgrade for your existing car stereo? > Yes or No

Your Age > _____

Gender > M or F Favorite Music Type > | _____

1st
Class
Postage



VISONIK
TECHNICS

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